



SEQUENCE LISTING

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<110> Rothschild, Max F.
Vincent, Amy L.
Tuggle, Christopher K.

<120> PROLACTIN RECEPTOR GENE AS A GENETIC MARKER FOR INCREASED LITTER SIZE IN ANIMALS

<130> P02285UD5

<140> US 09/900,063

<141> 2001-07-06

<150> US 08/812,208

<151> 1997-03-06

<150> US 08/742,805

<151> 1996-11-01

<150> US 60/022,180

<151> 1996-07-19

<160> 18

<170> PatentIn version 3.1

<210> 1

<211> 20

<212> DNA

<213> Porcine

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20

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<221> allele

<222> (240)..(240)

<223> G/A polymorphic site

<400> 3

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cggagaaggc tggcgccccct gaaaccagca aggaatacgc ccaggtgtcc cgggtgatgg      120
ataaccacat cctggtgtta gtgcaggatc cgcgagctcg aaacgtggct ccgtttgaag      180
aaccaaccaa ggagacccccg ccatccccggc cgcagaatcc agctgcgaaa gacctggccg      240
gcttcaccac ggccccgggc cactgcagac acccgctggg tgggctggat tacctcgatc      300
ccgcaggctt tatgcactcc tttcagtgag agcttggttc atgggatgat gggttacaag      360
gtgggggtttt tttcaggtcg cactacgtga aatgcactct accagagaaa gctcgaaaat      420
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cacttgcttc tt                                                                492

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<210> 4
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<220>
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<220>
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<210> 6
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<210> 7
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<400> 8
 caaggtggga acatgagt 18

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 gcacctcatt ttgccattag ctgcattagc cataaaaaaa aaaaaaaaaa ctttttctca 180
 gtgctagaaa aaaacagaat agactcattt gaaactgac ttctctctac caaagggagt 240
 agcgcagttg tgaaatagta aacgtctgac aagaacagca aataatccca ctagtaattt 300
 cagaatccgc ctctcaatt agccagaatt cactgtgatg ctggcctcta taattattat 360
 ttgtcttcac cactgattag tttcacatca tgaaaattgc atgtcattta gtttcacrta 420
 gcctcagaac caaccctaatt tctacctgc catatccctg tagcagctat tcgaagatca 480
 caagggtggga acatgtgtya tttatctttt ctcttacatt attttagagc atgggtggcct 540

gcatccgggc caaaaataaa aggatt

566

<210> 15
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<212> DNA
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<222> (49)..(49)
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<222> (67)..(67)
<223> n = unknown in amino acid position 67

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accaactaga cgctgactta ccacaaggaa gggtaagcat tcgcgtgtct cccaacaaac 420
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<213> Homo sapiens

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accacagga agg 133

<210> 17
<211> 53
<212> PRT
<213> Homo sapiens

<400> 17

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35 40 45

Arg Glu Gly Thr Lys
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<210> 18

<211> 132

<212> DNA

<213> Porcine

<400> 18

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cgctgctgg tggaagccgg gggcggatgg aggacttcct accaactaga cgctgactta 120

ccacaaggaa gg 132